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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Mark A. Stan et al.

Serial No.: 09/885,319

Filed: June 19, 2001

For: An Apparatus And Method For Optimizing The Efficiency Of Germanium Junctions In Multi-

Junction Solar Cells

Group Art Unit: 1753

Examiner: Mutschler, Brian L.

White & Case Docket No.: 1613370-0006

I hereby certify that this paper is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on May 15, 2003

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Date

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure imposed by 37 C.F.R. § 1.56 to inform the Patent Office of all references coming to the attention of Applicants or attorneys or agents for Applicants which are or may be material to the examination of the subject application, Attorneys for Applicants hereby invite the Examiner's attention to the reference(s) listed on the accompanying PTO Form SB/08A.

Identification of references listed on the attached PTO form is not to be construed as an admission of Applicants or attorneys for Applicants that such references are material or available as prior art against the subject application. The right is reserved to antedate any item in accordance with standard procedure.

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This submission is understood to complement the results of the Examiner's own independent search. The submission should not be construed as a representation that a search was made, or that the cited items are inclusive of all the relevant and material citations that may be available publicly.

Copies of the cited references are enclosed. Applicants respectfully request that the Examiner review the attached references and that they be made of record in the file history of the above-captioned application.

Applicants believe that the fee due in connection with the filing of this Information Disclosure Statement is \$180.00 (see attached Fee Transmittal). However, in the event that additional fees are required, then such fees are hereby authorized to be charged to White & Case LLP Deposit Account 23-1703.

Dated: May 15, 2003

James M. Ww/ (Reg. No. 45,24)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT			Application Number	09/885,319		
			Filing Date	June 19, 2001	June 19, 2001	
	 _		First Named Inventor	Mark A. Stan		
			Group Art Unit	1753		
(use as many sheets as necessary)			Examiner Name	Mutschler, Brian L.		
Sheet	1	of 1	Attorney Docket Number	1613370-0006		
		OTHER PRIOR ART NO	ON PATENT LITERATURE	DOCUMENTS		
Examiner Initials *	iner Cite Include name of the author (in CAPITAL LETTERS), title of the article (when appropriat				T ²	
		NTT Opto-electronics Labs., V				
CHIANG, et al., "Large Area GaInP2/GaAs/Ge Mutijunction Solar Cells For Space Applications", May 1994, pp. 2120-2123						
		SHARPS, "Growth and Development of GalnAsP for Use in High-Efficiency Solar Cells", October 1994, NREL, pp. 1-27				
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Attorney Docket No.: 1613370-0006

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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark hee if English language Translation is attached.